

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

# REGION IX 75 Hawthorne Street San Francisco, CA 94105-3901

Sent via Electronic Mail

Shantal Der Boghosian One Space Park Dr. Mail Stop: NGC CER – XE6D21/W7 Redondo Beach, CA 90278

Email: shantal.derboghosian@ngc.com

Re: Request for EPA Costs related to TRW Microwave Superfund Site in Sunnyvale, California, Pursuant to EPA Administrative Order on Consent Order 92-25, Paragraph 6

Dear Ms. Der Boghosian:

This Bill for Collection is for the cost of \$59,678.23 incurred by the United States for response activities conducted at the TRW Superfund Site under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. \$9601-\$9675, as amended. Enclosed is the cost report for the period of 08/01/2016 - 04/30/2019, plus prior cost adjustments, reflecting the amount billed. In addition, EPA reserves the right to bill for any charges not included in this bill in subsequent billings.

To the extent consistent with the above-referenced agreement, payment is due within 30 days and payment is considered delinquent if not paid by the due date. Interest may be assessed against a delinquent payment rate of 2.22%. Please review and adhere to all procedures and requirements including dispute resolution, as specified in the above-referenced agreement.

Submit payments on-line to www.Pay.gov which accepts debit and credit cards and bank account ACH. On the www.Pay.gov main page, enter sfo 1.1 in the search field to obtain EPA's Miscellaneous Payment Form – Cincinnati Finance Center. Complete the form with the due date, Site Name: TRW Microwave, and Site ID#09K4. Once the form is completed email an acknowledgement of payment to CINWD AcctsReceivable@epa.gov.

Direct billing cost questions to Michael Schulman, Remedial Project Manager at (415) 972-3064 or Rebekah Reynolds, Attorney at (415) 972-3916.

Thank you for your cooperation.

Sincerely,

LOREN HENNING Digitally signed by LOREN HENNING

Date: 2020.07.28 15:17:56

-07'00'

Loren Henning, Manager CERCLA Enforcement Office Superfund and Emergency Management Division Enclosures SSID 09K4 Cost Report for 08/01/2016 – 04/30/2019 plus prior costs Pay.gov Guidance Document

#### cc:

Shawn Purvis, Northrop Grumman Corporation, (shawn.purvis@ngc.com)
Robert Ariatti, Northrop Grumman Corporation, (robert.ariatti@ngc.com)
Joe Kwan, Northrop Grumman Corporation, (joe.kwan@ngc.com)
Michael Schulman, Schulman.Michael@epa.gov
Rebekah Reynolds, Reynolds.Rebekah@epa.gov
Gwen L. Brown, (Brown.GwenL@epa.gov)
Superfund Records Center

# **EPA Superfund Bill-Pay Using Pay.Gov**

- 1) Open any web browser and navigate to the Pay.Gov site: <a href="https://www.pay.gov/public/home">https://www.pay.gov/public/home</a> or use this direct link: <a href="https://www.pay.gov/public/form/start/11751879">https://www.pay.gov/public/form/start/11751879</a> (this will cut-out steps 2-3)
- 2) Using the search bar, search for, "SFO 1.1".



3) The Cincinnati Finance Center - Miscellaneous Payments will be shown. Click "Continue".

# Cincinnati Finance Center Description: Use this form to pay civil penalties, FOIA request, Superfund, Citations, Compliance Orders, and other miscellaneous payments Form Number: SFO Form Number 1.1 Agency: W.S. Environmental Protection Agency: Cincinnati Finance Center

**EPA Miscellaneous Payments -**

- 4) Click "Continue to the Form".
- 5) Complete the form then click "Continue". In the "Type of Payment" field, select "Superfund" from the dropdown. Be sure to enter the Site ID or Bill#.
- 6) Select the button beside either "Bank Account (ACH)" or "Debit or Credit Card" then click "Next". Depending on the payment method you select, there are dollar limits for each transaction (https://www.pay.gov/WebHelp/HTML/payments\_limits.html).

  Credit Cards
  - Up to a total of \$24,999.95 for all transactions with one or more U.S. Government agencies conducted on the same day using the same credit card. The total could combine payments made on Pay gov, and payments made any other way, such as presenting or swiping the card directly at an agency office.
     Example: On a Thursday, the same credit card is used for three separatic payments of \$10,000 and. Two payments were made on Pay gov. The third payment, made directly to an agency, will be rejected because the total of all payments made with the credit card for the total of all payments made.
  - You may not split payments using the same card if the total will be over the limit, even it paties payments are made on different days.
     Example: You must gay a fee of \$35,000. You decide to make two partial payments using the same credit card. On Thursday you pay \$20,000. On Friday, you pay the remaining \$35,000.
     Secause both payments are for the same fee, the same card was used and the total of both payments is over the limit. Friday's payment will be rejected. You could use a different credit card for each partial payment.

#### **Debit Cards**

No book except for the funds available in your account

#### Bank Accounts for ACH Debit or Credit

- Up to SSS 996 995 99 per transaction, limited by the funds available in the account
- 7) Enter the requested payment information and submit your payment. If you provided an email address in the payment form, you will receive a confirmation email.

For additional assistance, please contact Craig Steffen at steffen.craig@epa.gov, (513)487-2091, or visit the Pay.Gov help center at: https://www.pay.gov/WebHelp/HTML/about.html

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# Itemized Cost Summary

# TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

REGIONAL PAYROLL COSTS	\$12,297.44
REGIONAL TRAVEL COSTS	\$32.38
INTERAGENCY AGREEMENT (IAG)	
US ARMY CORPS OF ENGINEERS (DW96922738)	\$213.75
ARMY CORPS OF ENGINEERS (DW96957990)	\$15,264.78
RECORDS MANAGEMENT SUPPORT SERVICES (RMSS)	
ARMSTRONG DATA SERVICES, INC. (68-W5-0024)	\$299.66
GRB ENVIRONMENTAL SERVICES INC. (EPR90603)	\$26.30
TOEROEK - HERNDON JOINT VENTURE (EPR91202)	\$1,438.43
ARCTIC SLOPE MISSION SERVICES (EPW17011)	\$462.46
RESPONSE ACTION CONTRACT (RAC)	
APTIM FEDERAL SERVICES LLC (EPS91302)	\$6,710.42
EPA INDIRECT COSTS	\$22,932.61
Total Site Costs:	\$59,678.23

Regional Payroll Costs

# TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

Employee Name	Fiscal <u>Year</u>	Pay <u>Period</u>	Payroll <u>Hours</u>	Payroll <u>Costs</u>
BLACK, NED	2009	05	1.00	69.82
BLACK, JAMES P.	2000	00	1.00	00.02
ENVIRONMENTAL ENGINEER				
			1.00	\$69.82
BROWN, GWENDOLYN	2017	02	1.25	91.72
ENVIRON. PROTECTION SPECIALIST		04	1.00	73.40
		10	1.00	75.49
		11	0.50	37.76
		13	2.50	188.72
		27	0.50	37.76
	2018	23	0.50	39.66
		26	0.50	39.65
	2019	01	0.75	59.48
		03	1.00	79.31
		10	6.75	545.68
		-	16.25	\$1,268.63
ESTRADA, THELMA	2016	23	1.00	99.08
ATTORNEY ADVISOR (GENERAL)		27	1.00	97.86
	2017	02	1.25	118.39
		03	1.50	142.08
		10	2.00	203.92
		11	1.50	152.93
		12	1.50	152.93
		13	1.00	101.57
		14	0.50	50.99
		15	1.00	101.96
		-	12.25	\$1,221.71
FONG, YVONNE	1997	13	0.25	7.00
COST ACCOUNTANT		15	8.00	224.04
		19	1.50	42.02
		-	9.75	\$273.06
GOLDBERG, KAREN	1997	12	2.25	89.48
ATTORNEY-ADVISOR (GENERAL)		13	0.50	19.90

# TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

Employee Name	Fiscal <u>Year</u>	Pay <u>Period</u>	Payroll <u>Hours</u>	Payroll <u>Costs</u>
GOLDBERG, KAREN	1997	16	0.25	9.94
		-	3.00	\$119.32
HARDEE, ALEX	2017	16	0.50	26.28
GENERAL ATTORNEY		20	1.50	78.82
		27	1.00	52.56
		_	3.00	\$157.66
KREMER, THOMAS	1999	25	2.00	100.12
SUPVY.ENVIRONMENTAL PROTECT.SPECIALIS		26	2.00	100.12
		27	1.00	50.06
		-	5.00	\$250.30
LACEY, MARIE REMEDIAL PROJECT MANAGER	2008	14	5.50	365.47
		-	5.50	\$365.47
LEVINE, HERBERT	2017	17	7.00	609.86
HYDROGEOLOGIST	2018	19	7.00	624.83
		23	3.00	267.79
		24	7.00	624.85
		26	4.00	357.05
	2019	13	2.00	182.03
		-	30.00	\$2,666.41
LOI, DONALD	1997	01	0.50	8.27
ACCOUNTING TECHNICIAN		02	0.25	4.13
		05	0.25	4.37
		-	1.00	\$16.77
MAK, MAGDALEN Accountant	2008	14	2.00	74.53
		-	2.00	\$74.53
MALDONADO, LEWIS ATTORNEY ADVISOR (GENERAL)	2017	13	0.50	52.10
		-	0.50	\$52.10

# TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

Employee Name	Fiscal <u>Year</u>	Pay <u>Period</u>	Payroll <u>Hours</u>	Payroll <u>Costs</u>
MORASH, MELANIE	2016	25	1.00	72.95
PINCUS , MELANIE I.	2017	02	1.00	72.95
ENVIRONMENTAL ENGINEER (OSC)	2011	03	0.75	54.71
		04	0.25	18.23
		06	0.50	35.32
		07	1.50	109.32
		10	0.50	37.44
		11	0.25	18.73
		13	1.00	74.92
		14	1.25	93.65
		15	0.25	18.73
		16	1.25	93.65
		17	0.75	56.20
		18	2.00	149.85
		19	0.25	19.53
		20	0.50	37.70
		21	0.25	18.72
		25	0.50	37.46
		26	1.00	74.91
		27	0.25	18.72
	2018	03	0.75	56.19
		06	0.25	18.72
		09	0.25	19.13
		16	1.75	133.95
		17	0.75	57.40
		18	0.25	19.13
		19	3.00	229.63
		20	0.25	19.13
		21	0.75	49.42
		22	0.25	19.13
		23	1.25	95.68
		24	2.00	153.09
		26	4.00	306.17
	2019	01	3.00	229.61
		02	1.25	95.65
		03	1.00	76.53

# TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

	Fiscal	Pay	Payroll	Payroll
Employee Name	<u>Year</u>	<u>Period</u>	<u>Hours</u>	Costs_
MORASH, MELANIE	2019	04	2.25	172.20
		05	2.75	210.47
		06	2.25	172.38
		07	1.25	91.87
		09	0.50	39.10
		10	1.25	97.74
		11	0.25	19.53
		12	2.50	195.41
		13	2.00	155.62
		14	0.75	58.67
			51.50	\$3,905.24
ORTESI, MARIE LEUNG, MARIE	2017	27	0.50	46.10
SUPERVISORY ACCOUNTANT				
			0.50	\$46.10
OUYANG, LISA	2017	02	2.50	193.43
ENVIRONMENTAL PROTECTION SPECIALIST		10	0.75	59.64
		11	0.25	19.88
	2019	10	0.50	42.54
			4.00	\$315.49
PENNINGTON, GREG	1997	13	0.25	5.32
ENV PROTECTION SPECIALIST		14	1.00	21.26
		16	0.50	10.63
		19	0.25	5.48
		20	0.50	10.98
		24	0.25	5.48
	2008	14	0.25	15.70
		17	2.25	141.40
		18	1.25	78.56
		19	1.00	62.83
		•	7.50	\$357.64
PREND, DIANE	2019	12	2.00	94.84

# TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

Employee Name	Fiscal	Pay	Payroll	Payroll
Employee Name	<u>Year</u>	<u>Period</u>	<u>Hours</u>	_ Costs
ATTORNEY - ADVISOR		-		
			2.00	\$94.84
PROCUNIER, RICHARD W.	1997	16	5.00	194.41
ENVIRONMENTAL SCIENTIST		26	1.00	38.89
		-	6.00	\$233.30
RONGONE, MARIE	2017	27	1.00	103.74
ATTORNEY ADVISOR	2018	17	0.50	52.65
		-	1.50	\$156.39
SHAFFER, CALEB	2018	17	0.50	47.45
MANAGEMENT & PROGRAM ANALYST				
		-	0.50	\$47.45
WETMORE, CYNTHIA	2009	04	1.00	70.18
ENVIRONMENTAL ENGINEER	2019	04	0.75	64.17
		06	0.25	20.42
		10	0.50	45.24
		-	2.50	\$200.01
WILEY, REBEKAH	2017	27	0.50	44.76
ATTORNEY ADVISOR	2018	17	0.50	47.08
		26	1.00	94.14
	2019	05	0.50	45.04
			2.50	\$231.02
XU, AMELIA	2016	24	3.25	132.07
Accountant		25	0.75	30.48
		27	0.25	11.63
			4.25	\$174.18
Total Regional Payroll Costs		-	172.00	\$12,297.44
		Ξ		

# Regional Travel Costs

# TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

Travel Number	Treasury Schedule	Schedule Date	Travel Costs
TAA06SJW	AVC190158	03/22/2019	32.38
			\$32.38
		<u>-</u>	\$32.38
	Number	Number Schedule	Travel Treasury Schedule Number Schedule Date

#### **Contract Costs**

#### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### **INTERAGENCY AGREEMENT (IAG)**

Federal Agency: US ARMY CORPS OF ENGINEERS

IAG Number: DW96922738

Project Officer(s): GARUFI, KATHERINE

Dates of Service: From: 12/09/2008 To: 01/02/2009

Summary of Service: FIVE-YEAR REVIEW

Total Costs: \$213.75

Voucher	Voucher	Voucher	Treasury Schedule			Site
Number	Date	Amount	Number	and	Date	Amount
47036316	01/15/2009	213.75	ACHC09029		02/02/2009	213.75
					Total:	\$213.75

#### **Contract Costs**

#### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

### **INTERAGENCY AGREEMENT (IAG)**

Federal Agency: ARMY CORPS OF ENGINEERS

IAG Number: DW96957990

Project Officer(s):

Dates of Service: From: 11/15/2018 To: 04/01/2019

Summary of Service: FIVE-YEAR REVIEW

Total Costs: \$15,264.78

Voucher	Voucher	Voucher	Treasu	ury Sche	dule	Site
Number	<u>Date</u>	Amount	Number	and	<u>Date</u>	Amount
47089106	12/07/2018	581.91	AVC190100	(	01/31/2019	553.70
47089525	01/18/2019	1,252.94	AVC190116	(	02/08/2019	1,140.15
47089946	03/06/2019	7,860.88	AVC190152	(	03/15/2019	7,259.02
47090391	03/06/2019	4,079.69	AVC190152	(	03/15/2019	2,606.92
47090870	04/04/2019	4,688.23	AVC190181	(	04/24/2019	3,704.99
					Total:	\$15,264.78

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#### **Contract Costs**

#### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### RECORDS MANAGEMENT SUPPORT SERVICES (RMSS)

Contractor Name: ARMSTRONG DATA SERVICES, INC.

EPA Contract Number: 68-W5-0024

Project Officer(s):

Dates of Service: From: 10/01/1995 To: 10/31/1995

Summary of Service: RECORDS MANAGEMENT, DOCUMENT CONTROL

Total Costs: \$299.66

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#### **Contract Costs**

#### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### RECORDS MANAGEMENT SUPPORT SERVICES (RMSS)

Contractor Name: GRB ENVIRONMENTAL SERVICES INC.

EPA Contract Number: EPR90603

Project Officer(s): CHAN, ELAINE

Dates of Service: From: 05/01/2008 To: 07/31/2008

Summary of Service: RECORDS MANAGEMENT, DOCUMENT CONTROL

Total Costs: \$26.30

Report Date: 06/12/2020 Section 8 - Page 1 of 1

#### **Contract Costs**

#### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### RECORDS MANAGEMENT SUPPORT SERVICES (RMSS)

Contractor Name: TOEROEK - HERNDON JOINT VENTURE

EPA Contract Number: EPR91202

Project Officer(s): CHAN, ELAINE

Dates of Service: From: 12/27/2015 To: 04/30/2018

Summary of Service: RECORDS MANAGEMENT, DOCUMENT CONTROL

Total Costs: \$1,438.43

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#### **Contract Costs**

#### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### RECORDS MANAGEMENT SUPPORT SERVICES (RMSS)

Contractor Name: ARCTIC SLOPE MISSION SERVICES

EPA Contract Number: EPW17011

Project Officer(s): CHAN, ELAINE

Dates of Service: From: 07/30/2018 To: 12/31/2018

Summary of Service: RECORDS MANAGEMENT, DOCUMENT CONTROL

Total Costs: \$462.46

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#### **Contract Costs**

#### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### RESPONSE ACTION CONTRACT (RAC)

Contractor Name: APTIM FEDERAL SERVICES LLC

EPA Contract Number: EPS91302

Project Officer(s): SANTIAGO-OCASIO, CARMEN

Dates of Service: From: 05/01/2018 To: 12/31/2018

Summary of Service: RESPONSE ACTION CONTRACT

Total Costs: \$6,710.42

# TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

Fiscal Year	<b>Direct Costs</b>	Indirect Rate(%)	Indirect Costs
1997	863.58	36.64%	316.41
1998	122.61	40.85%	50.08
1999	265.37	35.23%	93.49
2008	764.79	45.07%	344.70
2009	353.75	47.71%	168.77
2016	646.44	59.70%	385.93
2017	4,308.59	50.65%	2,182.30
2018	9,236.00	60.27%	5,566.56
2019	20,184.49	68.49%	13,824.37
	36,745.62		
Total EPA Indirect Costs			\$22,932.61

# TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019 CRP# 180533

Employee Name	Fiscal <u>Year</u>	Pay Period	Payroll <u>Costs</u>	Ind. Rate (%)	Indirect Costs
FONG, YVONNE	1997	13	7.00	36.64%	2.56
		15	224.04	36.64%	82.09
		19	42.02	36.64%	15.40
			273.06	_	\$100.05
GOLDBERG, KAREN	1997	12	89.48	36.64%	32.79
		13	19.90	36.64%	7.29
		16	9.94	36.64%_	3.64
			119.32		\$43.72
LOI, DONALD	1997	01	8.27	36.64%	3.03
		02	4.13	36.64%	1.51
		05	4.37	36.64%_	1.60
			16.77		\$6.14
PENNINGTON, GREG	1997	13	5.32	36.64%	1.95
TENNING FOR SINES	1007	14	21.26	36.64%	7.79
		16	10.63	36.64%	3.89
		19	5.48	36.64%	2.01
		20	10.98	36.64%	4.02
		24	5.48	36.64%	2.01
			59.15		\$21.67
PROCUNIER, RICHARD W.	1997	16	194.41	36.64%	71.23
		26	38.89	36.64%_	14.25
			233.30		\$85.48
T-1-1 F'1\4. 4007 B " D'				_	
Total Fiscal Year 1997 Payroll Direc	ti Costs:		701.60	=	\$257.06 

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### OTHER DIRECT COSTS

# Ex. 4 CBI

#### OTHER DIRECT COSTS

# Ex. 4 CBI

Employee Name	Fiscal <u>Year</u>	Pay <u>Period</u>	Payroll <u>Costs</u>	Ind. Rate _(%)	Indirect Costs
KREMER, THOMAS	1999	25	100.12	35.23%	35.27
		26	100.12	35.23%	35.27

Report Date: 06/12/2020

#### **EPA Indirect Costs**

### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### PAYROLL DIRECT COSTS

Employee Name	Fiscal <u>Year</u>	Pay <u>Period</u>	Payroll <u>Costs</u>	Rate (%)	Indirect Costs
KREMER, THOMAS	1999	27	50.06	35.23%	17.64
			250.30		\$88.18
Total Fiscal Year 1999 Payroll Dir	ect Costs:		250.30		\$88.18

#### OTHER DIRECT COSTS

# Ex. 4 CBI

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
LACEY, MARIE	2008	14	365.47	45.07%	164.72
			365.47		\$164.72
MAK, MAGDALEN	2008	14	74.53	45.07%_	33.59
			74.53		\$33.59
PENNINGTON, GREG	2008	14	15.70	45.07%	7.08
		17	141.40	45.07%	63.73
		18	78.56	45.07%	35.41

### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### PAYROLL DIRECT COSTS

Employee Name	Fiscal <u>Year</u>	Pay <u>Period</u>	Payroll <u>Costs</u>	Ind. Rate (%)	Indirect Costs
PENNINGTON, GREG	2008	19	62.83	45.07%	28.32
			298.49		\$134.54
Total Fiscal Year 2008 Payrol	I Direct Costs:		738.49		\$332.85

#### OTHER DIRECT COSTS

# Ex. 4 CBI

Employee Name	Fiscal <u>Year</u>	Pay <u>Period</u>	Payroll Costs	Ind. Rate (%)	Indirect Costs
BLACK, NED	2009	05	69.82	47.71%_	33.31
			69.82		\$33.31
WETMORE, CYNTHIA	2009	04	70.18	47.71%	33.48
			70.18		\$33.48
Total Fiscal Year 2009 Payroll Dire	ct Costs:		140.00	<u></u>	\$66.79

#### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

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#### OTHER DIRECT COSTS

# Ex. 4 CBI

Employee Name	Fiscal <u>Year</u>	Pay <u>Period</u>	Payroll <u>Costs</u>	Ind. Rate (%)	Indirect Costs
ESTRADA, THELMA	2016	23	99.08	59.70%	59.15
		27	97.86	59.70%	58.42
			196.94		\$117.57
MORASH, MELANIE	2016	25	72.95	59.70%	43.55
			72.95		\$43.55
XU, AMELIA	2016	24	132.07	59.70%	78.85
		25	30.48	59.70%	18.20
		27	11.63	59.70%	6.94
			174.18		\$103.99
Total Fiscal Year 2016 Payroll Dire	ct Costs:		444.07		\$265.11

### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

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#### OTHER DIRECT COSTS

# Ex. 4 CBI

Employee Name	Fiscal <u>Year</u>	Pay <u>Period</u>	Payroll Costs	Ind. Rate (%)	Indirect Costs
BROWN, GWENDOLYN	2017	02	91.72	50.65%	46.46
		04	73.40	50.65%	37.18
		10	75.49	50.65%	38.24
		11	37.76	50.65%	19.13
		13	188.72	50.65%	95.59
		27	37.76	50.65%	19.13
			504.85		\$255.73
ESTRADA, THELMA	2017	02	118.39	50.65%	59.96
		03	142.08	50.65%	71.96
		10	203.92	50.65%	103.29
		11	152.93	50.65%	77.46
		12	152.93	50.65%	77.46
		13	101.57	50.65%	51.45
		14	50.99	50.65%	25.83

# TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019 CRP# 180533

Employee Name	Fiscal <u>Year</u>	Pay <u>Period</u>	Payroll Costs	Ind. Rate (%)	Indirect Costs
ESTRADA, THELMA	2017	15	101.96	50.65%	51.64
		_	1,024.77		\$519.05
HARDEE, ALEX	2017	16	26.28	50.65%	13.31
		20	78.82	50.65%	39.92
		27	52.56	50.65%	26.62
			157.66		\$79.85
LEVINE, HERBERT	2017	17	609.86	50.65%	308.89
			609.86		\$308.89
MALDONADO, LEWIS	2017	13	52.10	50.65%	26.39
			52.10		\$26.39
MORASH, MELANIE	2017	02	72.95	50.65%	36.95
		03	54.71	50.65%	27.71
		04	18.23	50.65%	9.23
		06	35.32	50.65%	17.89
		07	109.32	50.65%	55.37
		10	37.44	50.65%	18.96
		11	18.73	50.65%	9.49
		13 14	74.92 93.65	50.65% 50.65%	37.95 47.43
		15	18.73	50.65%	9.49
		16	93.65	50.65%	47.43
		17	56.20	50.65%	28.47
		18	149.85	50.65%	75.90
		19	19.53	50.65%	9.89
		20	37.70	50.65%	19.10
		21	18.72	50.65%	9.48

### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### PAYROLL DIRECT COSTS

Employee Name MORASH, MELANIE	Fiscal <u>Year</u> 2017	Pay Period 25 26 27	Payroll Costs 37.46 74.91 18.72 1,040.74	Ind. Rate (%) 50.65% 50.65%	Indirect Costs 18.97 37.94 9.48 \$527.13
ORTESI, MARIE	2017	27	46.10 46.10	50.65%	23.35
OUYANG, LISA	2017	02 10 11	193.43 59.64 19.88 272.95	50.65% 50.65% 50.65%	97.97 30.21 10.07 \$138.25
RONGONE, MARIE	2017	27	103.74 103.74	50.65%	52.54 \$52.54
WILEY, REBEKAH	2017	27	<u>44.76</u> 44.76	50.65%_	22.67 \$22.67
Total Fiscal Year 2017 Payroll D	irect Costs:		3,857.53	<u></u>	\$1,953.85

#### OTHER DIRECT COSTS

### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### OTHER DIRECT COSTS

# Ex. 4 CBI

Employee Name	Fiscal <u>Year</u>	Pay <u>Period</u>	Payroll <u>Costs</u>	Ind. Rate (%)	Indirect Costs
BROWN, GWENDOLYN	2018	23	39.66	60.27%	23.90
		26	39.65	60.27%	23.90
			79.31		\$47.80
LEVINE, HERBERT	2018	19	624.83	60.27%	376.59
		23	267.79	60.27%	161.40
		24	624.85	60.27%	376.60
		26	357.05	60.27%	215.19
			1,874.52		\$1,129.78
MORASH, MELANIE	2018	03	56.19	60.27%	33.87
•		06	18.72	60.27%	11.28

# TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019 CRP# 180533

Employee Name	Fiscal <u>Year</u>	Pay <u>Period</u>	Payroll <u>Costs</u>	Ind. Rate (%)	Indirect Costs
MORASH, MELANIE	2018	09	19.13	60.27%	11.53
		16	133.95	60.27%	80.73
		17	57.40	60.27%	34.59
		18	19.13	60.27%	11.53
		19	229.63	60.27%	138.40
		20	19.13	60.27%	11.53
		21	49.42	60.27%	29.79
		22	19.13	60.27%	11.53
		23	95.68	60.27%	57.67
		24	153.09	60.27%	92.27
		26	306.17	60.27%	184.53
			1,176.77		\$709.25
RONGONE, MARIE	2018	17	52.65	60.27%	31.73
			52.65		\$31.73
SHAFFER, CALEB	2018	17	47.45	60.27%	28.60
			47.45		\$28.60
WILEY, REBEKAH	2018	17	47.08	60.27%	28.38
,		26	94.14	60.27%	56.74
			141.22	******	\$85.12
Total Fiscal Year 2018 Payrol	Direct Costs:		3,371.92		\$2,032.28

### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### OTHER DIRECT COSTS

# Ex. 4 CBI

Employee Name	Fiscal <u>Year</u>	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
BROWN, GWENDOLYN	2019	01	59.48	68.49%	40.74
		03	79.31	68.49%	54.32
		10	545.68	68.49%	373.74
			684.47		\$468.80
LEVINE, HERBERT	2019	13	182.03	68.49%	124.67
			182.03		\$124.67
MORASH, MELANIE	2019	01	229.61	68.49%	157.26

Report Date: 06/12/2020

### **EPA Indirect Costs**

# TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019 CRP# 180533

	Fiscal	Pay	Payroll	Ind. Rate	Indirect
Employee Name	<u>Year</u>	Period	Costs		Costs
MORASH, MELANIE	2019	02	95.65	68.49%	65.51
		03	57.40	68.49%	39.31
			19.13	68.49%	13.10
		04	57.40	68.49%	39.31
			38.26	68.49%	26.20
			76.54	68.49%	52.42
		05	172.21	68.49%	117.95
			38.26	68.49%	26.20
		06	76.62	68.49%	52.48
			19.15	68.49%	13.12
			76.61	68.49%	52.47
		07	91.87	68.49%	62.92
		09	39.10	68.49%	26.78
		10	97.74	68.49%	66.94
		11	19.53	68.49%	13.38
		12	156.33	68.49%	107.07
			39.08	68.49%	26.77
		13	19.56	68.49%	13.40
			136.06	68.49%	93.19
		14	58.67	68.49%	40.18
			1,614.78		\$1,105.96
OUYANG, LISA	2019	10	42.54	68.49%	29.14
			42.54		\$29.14
					<b>,</b>
PREND, DIANE	2019	12	94.84	68.49%	64.96
			94.84		\$64.96
WETMORE, CYNTHIA	2019	04	64.17	68.49%	43.95
		06	20.42	68.49%	13.99
		~ ~	Some W. a. I Some	50070	. 0.00

### TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019

CRP# 180533

#### PAYROLL DIRECT COSTS

Employee Name	Fiscal <u>Year</u>	Pa <u>Peri</u>	-	Payroll Costs	Ind. Rate (%)	Indirect Costs
WETMORE, CYNTHIA	2019	10	1	45.24	68.49%	30.98
				129.83		\$88.92
WILEY, REBEKAH	2019 05			45.04	68.49%_	30.85
				45.04		\$30.85
Total Fiscal Year 2019 Payroll Direc	2,793.53		\$1,913.30			
	TRAVEL	DIRE	CT COSTS			
Traveler/Vendor Name	Travel Number	•	Treasury Schedule Date	Travel Costs	Ind. Rate (%)	Indirect Costs
MORASH, MELANIE	TAA06SJW		03/22/2019	32.38	68.49%	22.18
				32.38		\$22.18
Total Fiscal Year 2019 Travel Direc	32.38		\$22.18			

#### **OTHER DIRECT COSTS**

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#### **EPA Indirect Costs**

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COSTS FROM 08-01-2016 TO 04-30-2019 PLUS PRIOR PERIOD COSTS FROM 10-01-1980 TO 04-30-2019 CRP# 180533

#### OTHER DIRECT COSTS